

PCT

REC'D 12 MAY 2004

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

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(PCT Article 36 and Rule 70)

Applicant's or agent's file reference	FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/4)					
042513.013PCT International application No.	International filing date (day/month/year)		Priority date (day/month/year)			
PCT/US03/27768	04 September 2003 (04.09.2003)		04 September 2002 (04.09.2002)			
International Patent Classification (IPC)						
IPC(7): C02F 1/50, 1/76 and US Cl.: 21	0/753, 754, 764, 321.69					
Applicant						
BIOLAB, INC.						
Examining Authority and	 This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36. 					
2. This REPORT consists of	a total of 3 sheets, including	ng this cover she	et.			
This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).						
These annexes consist of	a total of Osheets.					
3. This report contains indic	ations relating to the following	g items:				
I Basis of the rep	port					
II Priority	1					
III Non-establishm	nent of report with regard to r	novelty, inventive	e step and industrial applicability			
IV Lack of unity of	f invention					
V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement						
VI Certain docum						
VII Certain defects	VII Certain defects in the international application					
VIII Certain observations on the international application						
·						
Date of submission of the demand		Date of completion of this report .				
31 March 2004 (31.03.2004)		30 April 2004 (30.04.2004)				
Name and mailing address of the IPEA/US Mail Stop PCT, Atm: IPEA/US		uthorized officer	<u> </u>			
Commissioner for Patents P.O. Box 1450		Hoey Betsey	Jean Proctor			
Alexandria, Virginia 22313-1450 Facsimile No.		elephone No. 571	Paralegal Spaffyrr:			

Form PCT/IPEA/409 (cover sheet)(July 1998)

INTERNATIONAL PRELIMINATION REPORT

International a	tion No.
PCT/US03/27768	

I.	Basi	is of the report	_		
1.	With	regard to the elements of the international application:*			
	\boxtimes	the international application as originally filed.			
	\boxtimes	the description:			
		pages 1-16 as originally filed			
		pages NONE , filed with the demand pages NONE , filed with the letter of			
		•			
		the claims: pages 17-19 . as originally filed			
		pages 17-19 , as originally filed pages NONE , as amended (together with any statement) under Article 19			
		pages NONE, filed with the demand			
		pages NONE, filed with the letter of			
	\boxtimes	the drawings:			
		pages 1-13 , as originally filed pages NONE , filed with the demand			
		pages NONE , filed with the letter of			
		the sequence listing part of the description:			
		pages NONE as originally filed			
	i	pages NONE , filed with the demand	١		
2		pages NONE , filed with the letter of			
۷.		regard to the language, all the elements marked above were available or furnished to this Authority in the tage in which the international application was filed, unless otherwise indicated under this item.			
	Thes	e elements were available or furnished to this Authority in the following language which is:			
		the language of a translation furnished for the purposes of international search (under Rule23.1(b)).			
		the language of publication of the international application (under Rule 48.3(b)).	١		
		the language of the translation furnished for the purposes of international preliminary examination (under Rules 55.2 and/or 55.3)	1		
		20.2 marot 33.3).			
3.	With	regard to any nucleotide and/or amino acid sequence disclosed in the international application, the	1		
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		contained in the international application in printed form.	ı		
	川 .	filed together with the international application in computer readable form.			
	\square	furnished subsequently to this Authority in written form.	1		
	╚	furnished subsequently to this Authority in computer readable form.	1		
	∐ ∶	The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the			
		application as fired has been furnished.	1		
	`.ٰٰٰٰٰٰٰ	The statement that the information recorded in computer readable form is identical to the written accuracy with	,		
			1		
4.		The amendments have resulted in the cancellation of:	l		
		the description, pages NONE			
		the claims, Nos. NONE	l		
		the drawings, sheets/fig NONE	ĺ		
5. Į		This report has been established as if (some of) the amendments had not been as a	ĺ		
		This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**			
r R his	Nephacement Sheets which have need thirdshoot to the manifests of the second to the se				
** 4	ny rep	as "originally filed" and are not annexed to the receiving Office in response to an invitation under Article 14 are referred to in placement sheet containing such amendments (Rules 70.16 and 70.17). Idicement sheet containing such amendments must be referred to under item 1 and annexed to this report.			
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International	ation No.
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101/0003/2/	

1. STATEMENT Novelty (N) Claims 1-17 Claims NONE Inventive Step (IS) Claims 1-17 Claims NONE Industrial Applicability (IA) Claims 1-17 Claims NONE Claims NONE Claims NONE 2. CITATIONS AND EXPLANATIONS Claims 1-15 meet the criteria set out in PCT Article 33(2)-(3), because the prior art does not teach or fairly suggest a process for reating a reverse sonesis membrane with a biocide comprising contacting the membrane with an oxidizing halogen biocide in combined form, which slowly releases halogen to disinfect the membrane and prevent biofilm on the membrane creating water with a reverse consois membrane for desaination of the water, comprising contacting the water upstream from the membrane with an oxidizing halogen biocide, wherein the biocide contains an oxidizing halogen in combined form which slowly releases halogen to disinfect the membrane with an oxidizing halogen biocide, wherein the biocide contains an oxidizing halogen in combined form which slowly releases halogen to disinfect the membrane with an oxidizing halogen in combined form which slowly releases halogen to disinfect the membrane and prevent biofilm on the membrane. Claims 1-17 meet the criteria as defined under PCT Article 33(4). NEW CITATIONS Form PCT/IPEA/409 (Box V) (fuly 1998)	V. Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement						
Inventive Step (IS) Claims 1-17 Claims 1-17 Claims 1-17 Claims NONE Industrial Applicability (IA) Claims 1-17 Claims NONE Claims 1-17 Claims NONE 2. CITATIONS AND EXPLANATIONS Claims 1-5 meet the criteria set out in PCT Article 33(2)-(3), because the prior art does not teach or fairly suggest a process for treating a reverse osmosis membrane with a biocide comprising contacting the membrane with an oxidizing halogen biocide in combined form, which slowly releases halogen to disinfect the membrane and prevent biofilm on the membrane. Claims 6-12 meet the criteria set out in PCT Article 33(2)-(3), because the prior art does not teach or fairly suggest a process for treating water with a reverse osmosis membrane for desalination of the water, comprising contacting the water upstream from the membrane with an oxidizing halogen biocide, wherein the biocide contains an oxidizing halogen in combined form which slowly releases halogen to disinfect the membrane and prevent biofilm on the membrane. Claims 1-17 meet the criteria as defined under PCT Article 33(4). NEW CITATIONS ———————————————————————————————————	1. STATEMENT						
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